

LanDat™

RELIABLE BACKUP / RESTORE FOR MULTIPLE SERVERS LanDat is a combination hardware/software solution for workstation-based backup of medium to large size LANs. With capacities of 1-4 gigabytes on reliable Digital Audio Tape (DAT) media, LanDat provides reliable backup of multiple file servers throughout a Novell LAN.

HIGHER RELIABILITY THAN 8MM AND 1/4 INCH

GigaTrend is the DAT technology pioneer. We've shipped more DAT drives for more different system platforms, than any other company in the world. Three layers of error correction coding provide reliability up to 1000 times more than 8mm and 1/4 inch.

AWARD WINNING TECHNOLOGY GigaTrend has received industry recognition for technical excellence. LAN Magazine awarded the DAT drive its Product of the Year honor for 1989. It was also a finalist for PC Magazine's Product of the Year, placing third only after products from corporate giants IBM and NEC.

EXCLUSIVE USER CONTROL PANEL GIVES YOU THE

POWER Want to know the position of your tape at any time during backup or restore? It tells you. How about changing the SCSI ID without opening the enclosure? No

problem. And you can also qualify tapes before backup, and clean the tape heads any time. No other DAT drive has these features.

RESTORE ANY FILE IN UNDER 60 SECONDS LanDat is a dream come true for serious LAN users of network

administrators. Access any file for a quick restore in an average of 20 seconds. Worst case: under 60 seconds. With 8mm or 1/4 inch technologies, the same process could take up to 45 minutes.

LAN BACKUP SOFTWARE

The LanDat subsystem includes LANsafe™ software, an easy-to-use package with a familiar NetWare-like menu-driven

interface. LanDat can back up all known file servers within the network in one unattended operation. Once the backup time is set, LANsafe sits in background until the desired time is reached, allowing the user to work without interruption. To improve restore time, data is accessed quickly via the backup-generated database. Other features include complete network security backup, true file verification after backup, Macintosh file support, and automatic login/logout from the network.

L A N D A T
I S A L S O
A V A I L A B L E
W I T H T H E
T U R B O D A T
O P T I O N



GIGA
TREND

THE DAT SOLUTION COMPANY™

Now
available
in half height
SL Series

Specifications

Storage Capacity	Gigabytes
Standard DAT drive	
60m tape	1.0
90m tape	2.0
TurboDat	
60m tape	2.5
90m tape	4.0
Physical Tape Format	DAT Standard
Recording Density	61,000 bpi
Tape Speed	0.32 ips
Drum Rotation	2,000 rpm
Heads per drum	4 (2 read; 2 write)
Search Time	20 seconds average; 40 seconds maximum
Start/Stop Time	0.8 seconds
Transfer Rate; Head to Tape*	192 KBS (nominal)
Error Rate	less than 1 in 10(15) bits

PHYSICAL PARAMETERS

Dimensions	9.7" x 4.7" x 9.8"
Weight	12.6 lbs.
Cassette Dimensions	h 10.5mm w 73mm d 54mm

SHOCK AND VIBRATION

Shock	Non-operating	30 G, 11 ms pulse
	Operating	2.5 G, 11 ms pulse
Vibration	Non-operating	0-17 Hz: 2.5 mm P-P AMP
		17-500 Hz: 1.5 G
	Operating	0-63 Hz: 0.127 mm P-P AMP
		63-500 Hz: 1 G

POWER REQUIREMENT

Power	100-240 VAC; 50-60 Hz
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ENVIRONMENTAL CONDITIONS

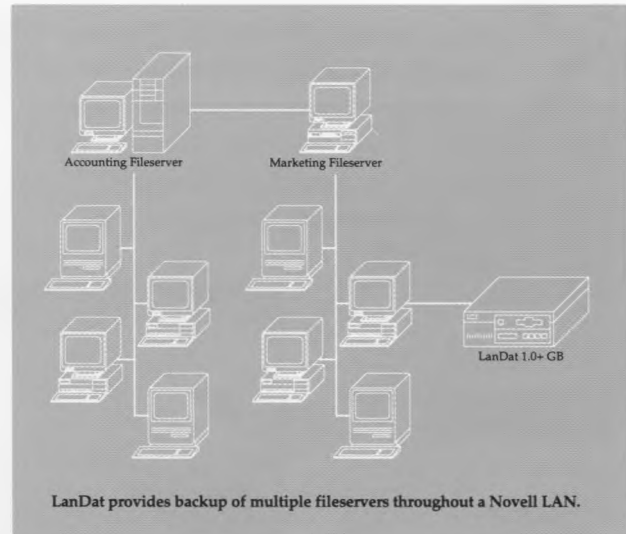
Temperature	Operating	41-104 °F (5-40 °C)
	Non-operating	-22-140 °F (-30-60 °C)
Humidity	20-80% Operating	
(Non-condensing)	5-90% Store	

RELIABILITY

MTBF...(10% duty cycle)	20,000 Hours
Tape Pass	greater than 1,000 passes



*The actual transfer rate varies significantly between system configurations. Transfer rates may range from 2-10 Mbytes per minute.



LAN REQUIREMENTS

NetWare 2.0a (286 version)
 NetWare 2.1x or above (286 version)
 NetWare 2.1x (ELS Level II version)
 NetWare 3.x or above (386 version)

WORKSTATION REQUIREMENTS:

IBM PC/XT/AT or compatible
 DOS 3.0 or above
 640K memory

GigaTrend Incorporated

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GIGATAPE GmbH

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 2234 Rutherford Road, Carlsbad, CA 92008



1989
 FINALIST
 PC Magazine Award
 For Technical Excellence



RELIABLE BACKUP / RESTORE FOR MULTIPLE SERVERS AND WORKSTATIONS ServerDat is a combination hardware/software solution for fileserver-based (centralized) backup of medium to large size LANs. With capacities of 1-4 gigabytes on reliable Digital Audio Tape (DAT) media, ServerDat allows system administrators and users to easily back up multiple file servers and workstations throughout a NetWare™ LAN.

BACKUP / RESTORE FOR ALL LAN USERS ServerDat is a "shared" backup device. All authorized users on the network, no matter where they're located, have the ability to perform backups using this unique technology.

Now you can protect all your valuable network data, including data that resides on local hard disks, easily and securely. This leading edge technology is achieved by connecting the 4mm DAT to a fileserver or bridge. This eliminates the need for a dedicated backup workstation. ServerDat's architecture maximizes server utilization (getting better performance from existing equipment).

AWARD WINNING TECHNOLOGY GigaTrend's high performance 4mm DAT tape drive has received industry recognition for technical excellence. LAN Magazine awarded this drive its Product of the Year honor for 1989. It was also a finalist for PC Magazine's Product of the Year, placing third only after products from corporate giants IBM and NEC.



ACCESS DATA FASTER THAN ANY OTHER TAPE BACKUP

With its large storage capacity, you might think that accessing files would be a long and tedious process, similar to older, 8mm technology. With ServerDat, you can access any file mark on your backup tapes in an average of only 20 seconds. Along with an error rate of less than one error in 10^{15} bits, no other tape device gives you this kind of performance and reliability.

ADVANCED SOFTWARE CAPABILITIES IN BACKGROUND

MODE ServerDat software is tailored for network administrator needs. ServerDat automatically performs unattended backups of server volumes or local disks at any hour of the day or night, in background mode, without interrupting

active applications. In addition, ServerDat has features including job scheduling, queue management, a complete backup database, and three methods of backup: all files backup, incremental backup, and time/date stamp archiving. A graphical tree structure is used for easy selection of data, and extensive report capabilities are available. Even Macintosh files are handled with ease. During restore, information can be recovered quickly through ServerDat's database manager and Quick File Access (QFA). Best of all, ServerDat has the look and feel of all the commonly used Novell system utilities.

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NLM & VAP
SOLUTIONS

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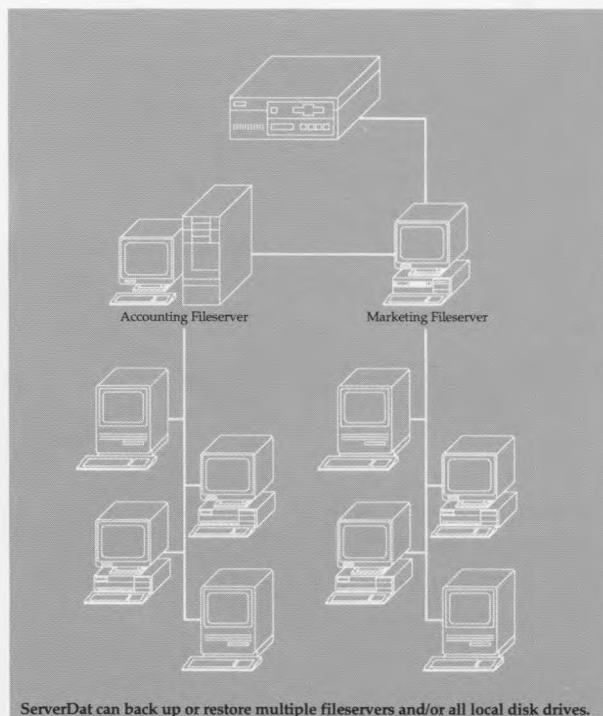
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ServerDat VAP	
NetWare 2.1x or above (286 version)	
NetWare 2.1x (ELS Level II version)	
ServerDat NLM	
NetWare 3.1 or above (386 version)	
File Server Memory:	
100k Base Package	
200k Tape Drive	
File Server Storage Space:	
85k Base Package	
70k Base Driver	

WORKSTATION REQUIREMENTS:

IBM PC/XT/AT or PS/2 or compatible
DOS 3.0 or above
512K memory
400K storage space



ServerDat can back up or restore multiple file servers and/or all local disk drives.

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